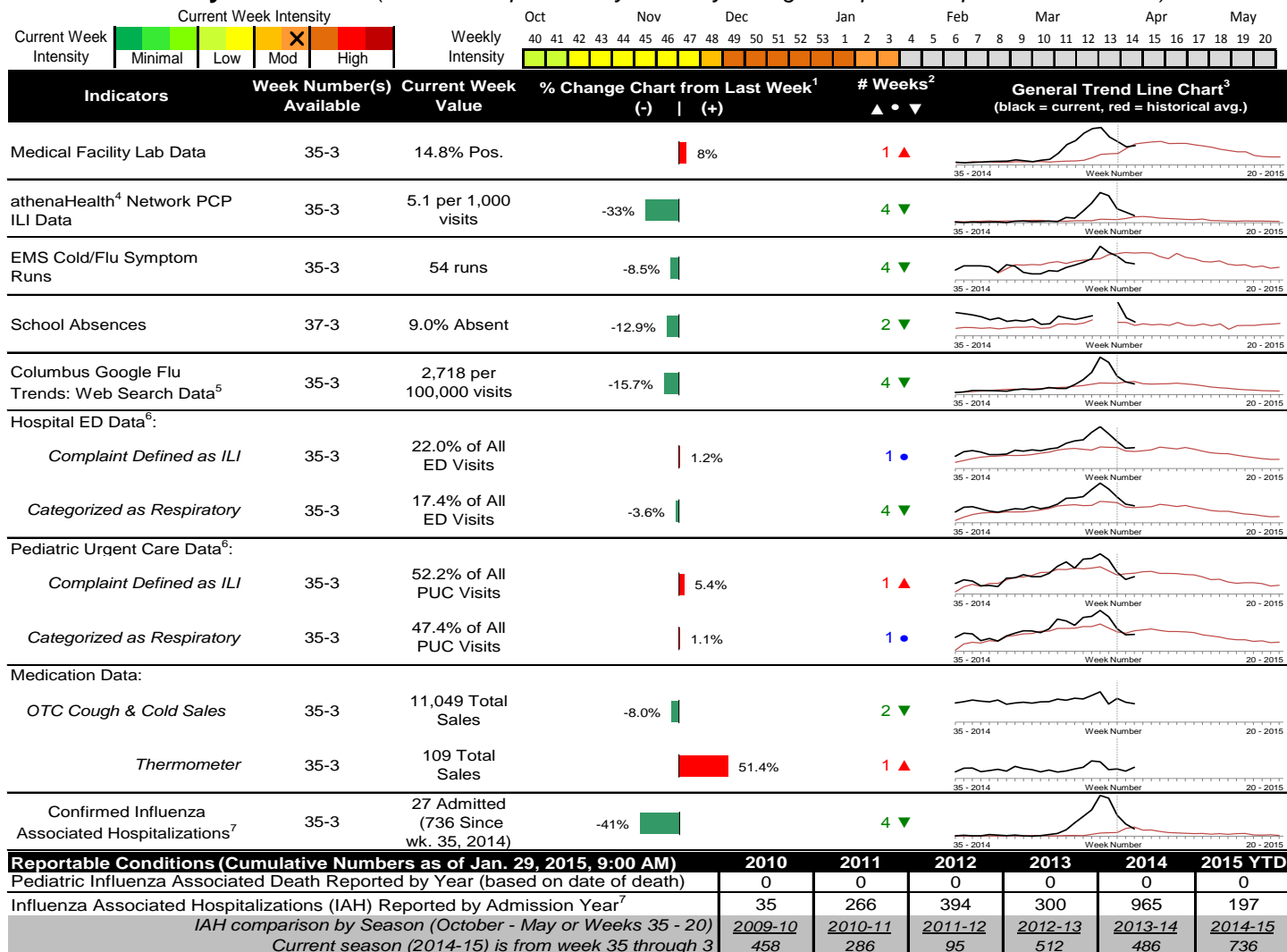


2014-2015 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 3, Jan. 18th, 2015– Jan. 24th, 2015)

Highlights

- In week 3 of 2015, trends for local of influenza activity indicators varied compared to week 2, with the majority decreasing. Local influenza activity remains elevated, despite the recent downward trend.
- Geographic activity and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, MODERATE
- Local medical facility labs reported 1,599 tests run with 236 (14.8%) positive results for week 3 of 2015.
- The percentage of ED visits for influenza-like-illness (ILI) was stable, while respiratory symptom visits decreased slightly in week 3. The percentage of ED visits for ILI is slightly above its weekly baseline average, while respiratory symptom visits were similar to the weekly baseline average.
- In week 3 of 2015, local over-the-counter medication sale trends varied (decrease in cough and cold, electrolyte, chest rub, and throat lozenge sales; increase in thermometer, pediatric anti-fever, and adult anti-fever sales) compared to last week.
- Updated week 3 U.S. influenza activity information was not available at the time of this report. Please [visit the CDC website for specific information](#) (National data is usually updated on Friday of each week).

Local Flu Activity Dashboard (All data are preliminary and may change as updated reports are received.)



¹Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.

²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "•" = Stable (-2% to +2%).

³Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).

⁴Data Source: athenaHealth, Inc. and their analytics and research team athenaResearch (www.athenahealth.com). Rate of ILI visits to Franklin County, OH, athenaHealth network's primary care practices/physicians using claims data.

⁵Data Source: Google Flu Trends (www.google.org/flutrends), City = Columbus, OH. See website for additional details.

⁶Franklin County, OH residents only (based on zipcode).

⁷Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

CDC 122-Cities Mortality Reporting System: Pneumonia and Influenza (P&I) Mortality

Due to technical difficulties, the percentage of local deaths attributed to pneumonia and influenza was not available at the time of this report. Updated week 3 U.S. pneumonia and influenza mortality data was also not available at the time of this report.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 3, the preliminary local influenza-like-illness (ILI) visit rate to athenaHealth providers (5.1 per 1,000 visits) was lower than the previous week and is approaching, but still slightly higher than the baseline average for week (Figure 1). The week 3 percentage of Emergency Department (ED) visits for ILI symptoms was stable compared to the previous week (Figure 3) and is still slightly higher than the historic baseline for the week. Pediatric urgent care visits for ILI symptoms increased slightly compared to the previous week and is slightly below the historic baseline for the week.

Updated week 3 U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) data was not available at the time of this report.

Laboratory Surveillance

During week 3 of 2015, reporting Franklin County sentinel medical facility laboratories tested 1,599 specimens, with 236 (14.8%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2014 through week 3 of 2015 is 29,362 with 5,309 (18.1%) positives (4,882 type A, 399 type B, 24 both A and B, 4 type unknown).

Updated week 2 U.S. WHO and NREVSS laboratory influenza specimen testing data was not available at the time of this report (visit the CDC website for more info). The last 3 weeks available national breakdown by type and subtype from the CDC is shown in Table 1 below:

Table 1: U.S. Virologic Surveillance (WHO and NREVSS participating labs)

Week	A Total	A (H1)	A 2009 H1N1	A (H3)	A (H3N2v)	A (unable to sub-type)	A (Subtyping not performed)	B Total	Total # Tested	% Positive
53	9146 (96%)	0 (0%)	8 (0.1%)	3705 (40.5%)	0 (0%)	0 (0%)	5433 (59.4%)	378 (4%)	36897	25.81
1	6943 (95.7%)	0 (0%)	7 (0.1%)	3155 (45.4%)	0 (0%)	0 (0%)	3781 (54.5%)	315 (4.3%)	33261	21.82
2	4800 (94%)	0 (0%)	3 (0.1%)	1821 (37.9%)	0 (0%)	0 (0%)	2976 (62%)	304 (6%)	26205	19.47

ODH lab reported results for Ohio cases that are PCR positive for seasonal influenza Positive results: (1) A/PdH1N1; (695) A/H3N2; (9) Influenza B (through 01/17/15).

ED and Pediatric Urgent Care Respiratory Visits

In the 3rd week of 2015, the percentage of all ED visits categorized as *respiratory* decreased slightly compared to the percentage seen the previous week and is near its historic baseline for the week (Figure 5). The percentage of Pediatric urgent care visits for respiratory symptoms were stable compared to the previous week, and is slightly below its historic baseline for the week.

Over-the-Counter (OTC) Medication Sales and Antiviral Prescriptions

In week 3 of 2015, local over-the-counter medication sale trends varied (decrease in cough and cold, electrolyte, chest rub, and throat lozenge sales; increase in thermometer, pediatric anti-fever, and adult anti-fever sales) compared to last week.

Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <http://www.odh.ohio.gov/features/odhfeatures/seasflu/ohfluactivity.aspx>

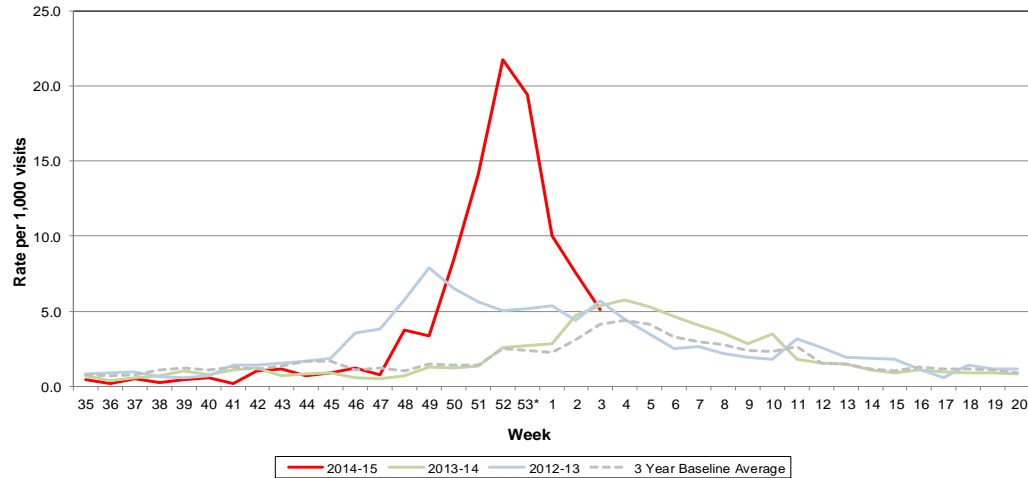
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

CDC International Flu Activity Map: <http://www.cdc.gov/flu/international/activity.htm>

World Health Organization Situation Updates: http://www.who.int/influenza/surveillance_monitoring/en/

Columbus & Franklin County Influenza Monitoring Summary – Week 3, 2015 (1/18/2015-1/24/2015)

Figure 1: athenahealth Network Primary Care Physician Influenza-Like-Illness Visit Rate†, Franklin County, OH



†Source: Claims data from athenahealth, Inc. and their analytics and research team, athenaResearch (www.athenahealth.com/blog/category/analytics-research)
Note: athenaHealth claims data are subject to filing and processing time lags. Historical data are updated when they are received.

Figure 2: Percentage of Local and National ILI Outpatient CDC Sentinel Health Care Provider Site visits, 2014-15

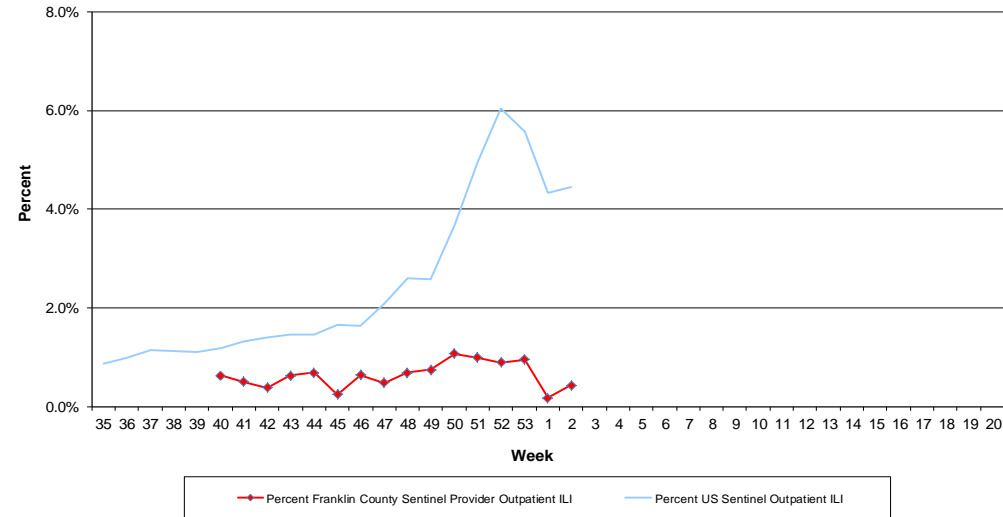


Figure 3: Franklin County Resident ILI Defined ED and Pediatric Urgent Care Visits, 2014-15, Franklin County, OH**

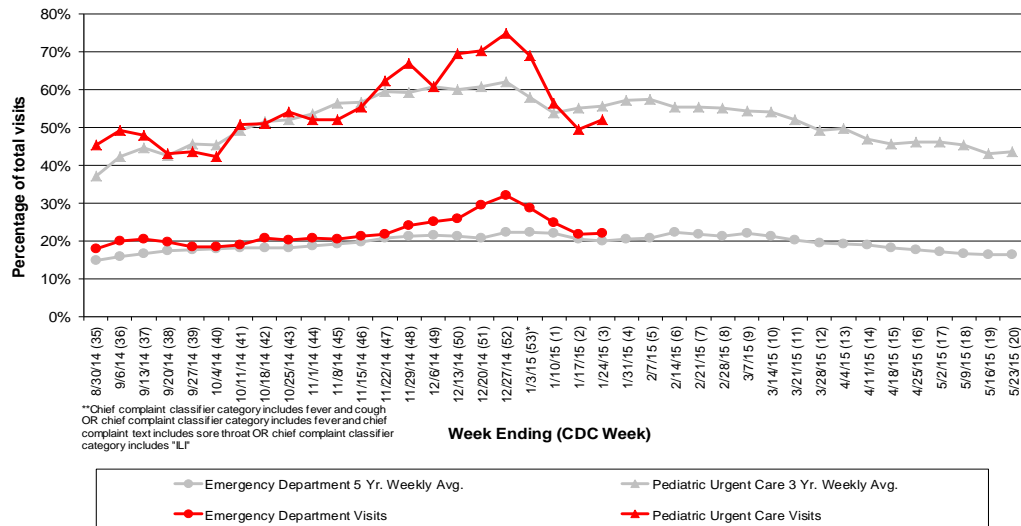
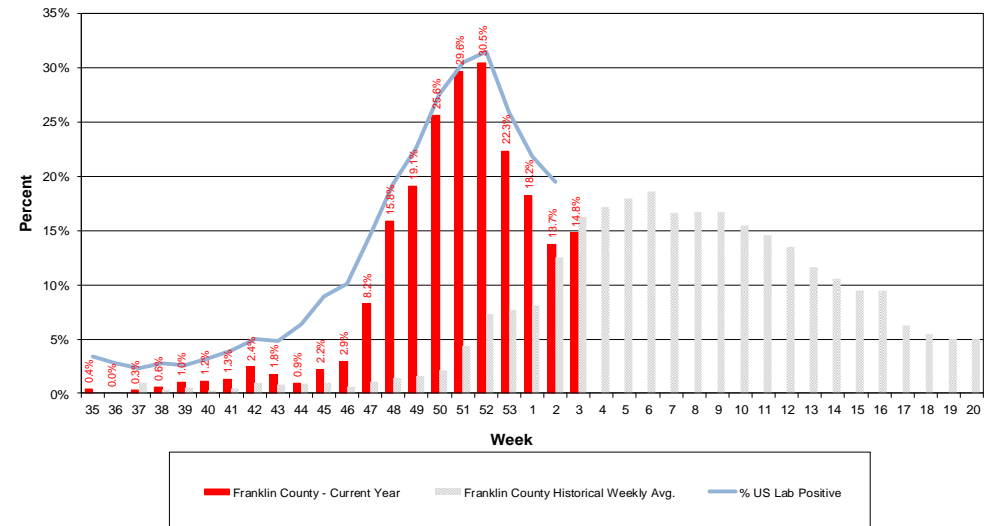


Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2014-15



*Note: Based on CDC MMWR Weeks, there are 53 surveillance weeks in 2014. Baseline and previous year's week 53 data are based on the average of week 52 and week 1 numbers.

Columbus & Franklin County Influenza Monitoring Summary – Week 3, 2015 (1/18/2015-1/24/2015)

Figure 5: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2014-15, Franklin County, OH

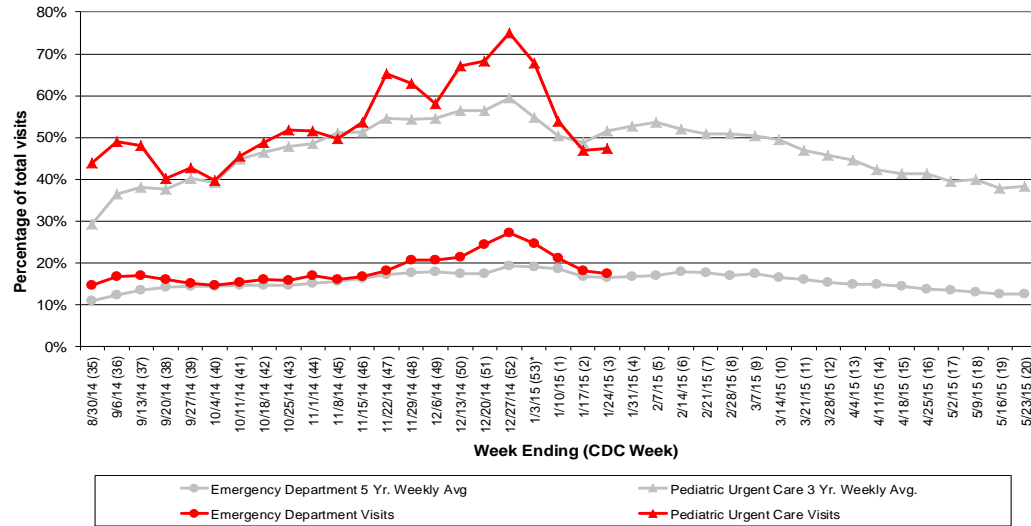


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2014-15, Franklin County, OH

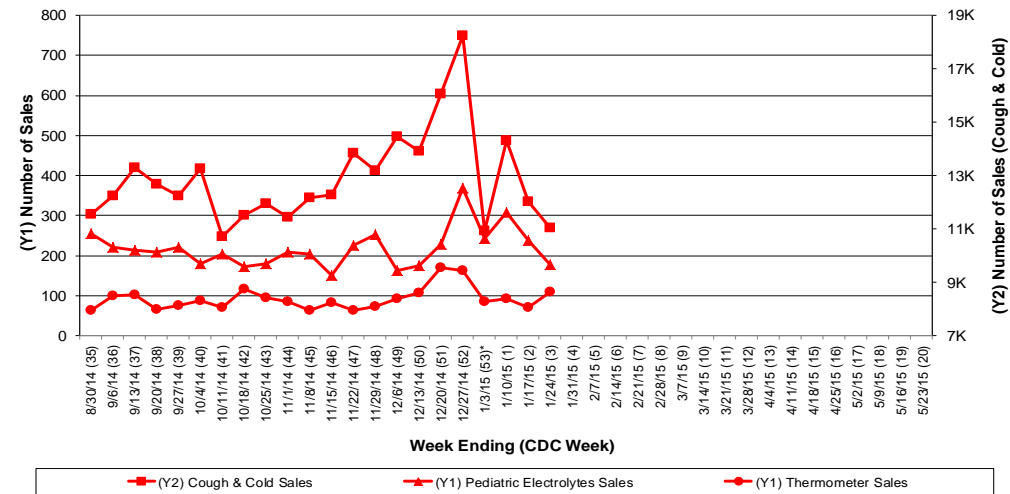
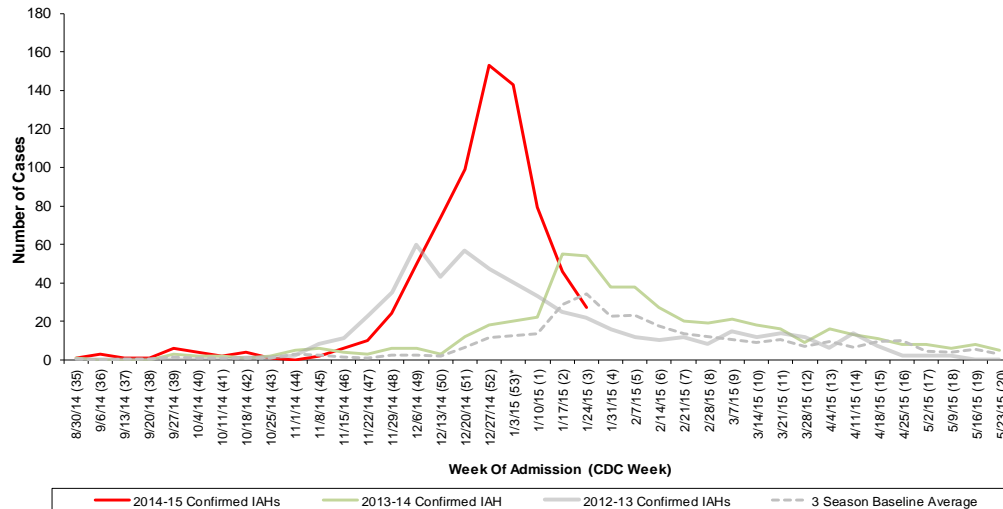
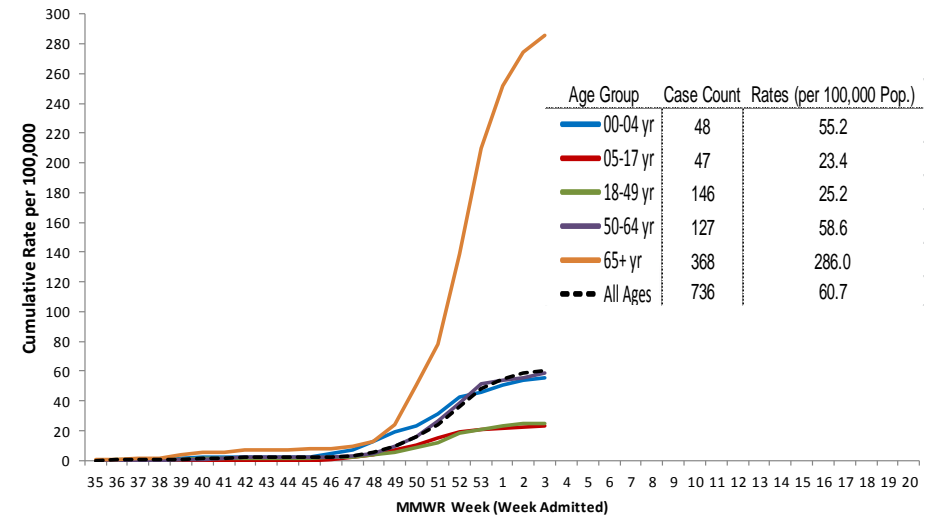


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 9:00 AM, 1/29/2015)



Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2014-2015 Season



*Note: Based on CDC MMWR Weeks, there are 53 surveillance weeks in 2014. Baseline and previous year's week 53 data are based on the average of week 52 and week 1 numbers.